

COMPLETE LISTING OF THE CLAIMS

The following lists all of the claims that are or were in the above-identified patent application. The status identifiers respectively provided in parentheses following the claim numbers indicate the current statuses of the claims.

Claim 1 (Canceled): An optical assembly, comprising:

a package including an optoelectronic component;

an alignment feature mounted to the surface of the package; and

a sleeve defining only one bore with an inner surface having a constant inner diameter for receiving and contacting outer surfaces of the alignment feature and a ferrule of a fiber connector when the alignment feature and the ferrule are inserted into the bore at opposite ends of the bore so they can be aligned relative to each other.

Claim 2 (Currently Amended): An optical assembly, comprising:

a package including an a plurality of optoelectronic components;

an a plurality of alignment features mounted to a surface of the package;

a plurality of sleeves, each sleeve in the plurality of sleeves defining only one bore with an inner surface having a constant inner diameter;

a plurality of fiber optic connectors, the plurality of fiber optic connectors
comprising a plurality of ferrules;

wherein each optoelectronic component in the plurality of optoelectronic components is optically aligned to each alignment feature in the plurality of alignment features;

wherein each the alignment feature in the plurality of alignment features and the each ferrule in the plurality of ferrules are inserted into the bore of each sleeve in the plurality of sleeves at opposite ends of the bore of each sleeve so they can be aligned relative to each other;

wherein the plurality of alignment features, the plurality of sleeves and the plurality of ferrules are arranged on the surface of package in an array;

wherein each fiber optic connector in the plurality of fiber optic connectors is only secured to each sleeve in the plurality of sleeves by physical contact made from the inner diameter of each sleeve in the plurality of sleeves with the outer diameter of each ferrule in the plurality of ferrules.

Claim 3 (Currently Amended): The assembly of claim 1 2, wherein ~~the~~ each alignment feature in the plurality of alignment features comprises a cylindrical post having a hole allowing a light emitted by the package to pass through.

Claim 4 (Currently Amended): The assembly of claim 1 2, wherein ~~the~~ each alignment feature in the plurality of alignment features comprises a solid post comprising a transmissive material allowing a light emitted by the package to pass though.

Claim 5 (Currently Amended): The assembly of claim 4 2, wherein ~~the~~ each alignment feature in the plurality of alignment features comprises a solid partial sphere comprising a transmissive material allowing a light emitted by the package to pass through, the outer surface of the solid partial sphere contacting the inner surface of the single bore of the sleeve.

Claim 6 (Canceled)

Claim 7 (Currently Amended) The assembly of claim 2, wherein the fiber optic connectors is are selected from the group consisting of an LC connector, an ST connector, an SC connector, and an FC connector

Claim 8 (Currently Amended): The assembly of claim 2 4, wherein the package is selected from a group consisting of an optoelectronic chip enclosure (OECE) and a TO can.

Claim 9 (Currently Amended): The assembly of claim 2 4, wherein the optoelectric components is are a lasers.

Claim 10 (new): The assembly of claim 2, wherein the array comprises two rows and three columns.